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Avail from Associated Tech
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On the Kinetics of Very Rapid Ion Reactions in an
Aqueous Solution, by M. Eigen, 38 pp.

GERMAN, per, Z Physik Chem (Frankfurt), Vol I,
1974, pp 176-200.

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Letter from NY.

Schwab, G. M. and Kolb, E.
 VISCOSITY OF SULFURIC ACID, tr. by Bertha P.
 Klenova. 11 Mar 55, 13p. 11 refs. [No.] 3413.
 Order from OTS or SLA \$1.60 60-23424

Trans. of Z[sch]rift f[ur] Phys[ikalische] Chem[ie],
 Frankfurt [West Germany] 1955, N[eu]e F[olge] v. 3,
 p. 52-64.

DESCRIPTORS: *Sulfuric acid, Viscosity, Tempera-
 ture, Electrolytes.

Viscosity measurements of sulfuric acid have been
 made with an Ostwald viscosimeter in the concentration
 range 80 to 115% H₂SO₄ and in the temperature range
 20° to 132° C. The values reported are accurate to
 ±0.5 per cent. Dilute solutions of sodium hydrogen
 sulfate and acetic acid anhydride in sulfuric acid have
 also been investigated. An equation has been proposed
 for expressing the temperature-dependence of viscosity
 (Chemistry--Physical, TT. v. 8, no. 1) (over)

60-23424 |

I. Schwab, G. M.
 II. Kolb, E.
 III. TVA-3413
 IV. Tennessee Valley Authority,
 Wilson Dam, Ala.

5-22-62

Office of Technical Services

60-23438

Schlögl, R.
THEORY OF ANOMALOUS OSMOSIS, tr. by Bertha P.
Klenova. 10 June 55 [27]p. 30 refs. [No.] 3444.
Order from CTS or SLA \$2.60 60-23438

Trans. of Z[schrift für] Physik[allische] Chem[ie],
Frankfurt] (West Germany) 1955, N[eu]e F[olge] v. 3,
p. 73-102.

DESCRIPTORS: *Electroosmosis, Theory, Membranes,
Electrolytes, *Diffusion, Hydrostatic pressure, Electric
fields, *Electrochemistry.

With the aid of a simple model of a porous charged
membrane the phenomenon of "anomalous osmosis" in
the diffusion of electrolytes is explained by the action
of a hydrostatic pressure gradient and an electric field
in the interior of the membrane. Both the anomalous
positive and negative osmosis and a diffusion of the
(Chemistry--Physical, TT, v. 8, no. 1) (over)

I. Schlögl, R.
II. TVA-3444
III. Tennessee Valley
Authority, Wilson Dam,
Ala.

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Franck, U. P.
STABILITY OF ELECTRODE STATES. [1962] 29p.
Order from ATS \$33.40 ATS-99P59G

Trans. of Zeitschrift für Physik[allache] Chem[ie]
Frankfurt (West Germany) 1955 [Neue Folge] v. 3,
no. 3/4, p. 183-221.

DESCRIPTORS: *Electrodes. Stability.

(Chemistry--Physical. TT. v. 8, no. 1)

62-17319

- I. Franck, U. P.
- II. ATS-99P59G
- III. Associated Technical
Services, Inc., East
Orange, N. J.

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Office of Technical Services

The Reaction-Mechanism of the Acid-Dissociation
as Shown by the Protolytic Reaction of Activated
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No 3/4, 1955, pp 238-254. 9097549

A.C.S.I.L. No 1187

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Electrodifffusion in Free Solution and Charged
Membranes, by R. Schlögl, 33 pp.
GERMAN, per, Z Physik Chem (Frankfurt), No 5/6,
1954, pp 305-339.
AEC/ORNL-Tr-2059-70

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X-Ray Analysis of the Electron Distribution in
Crystals IV. The Electron Distribution in
Aluminum 1,2,3,4, by W. Bensch.
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pp 65-88.
NTC-70-15210-20B

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TIL tr T.5666

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